

3GPP TSG CN Plenary Meeting #16
5 – 7 June 2002, Marco Island, USA

NP-020175



TSG-CN WG5

(Open Service Access)

Status Report

joint-API-group

Reported by

Ard-Jan MOERDIJK
TSG-CN WG5 Chair

A GLOBAL INITIATIVE

- **Achievements**



- **technical**
- **co-ordination with other groups**
- **Meetings**
 - **meeting overview**
 - **future meetings**
- **What CN5 would like to request from CN**
 - **Input documents overview**
 - **Rel-4 issues**
 - **Rel-5 issues**
 - **Rel-6 outlook**
- **Acknowledgements**

Rel-5 Status overview

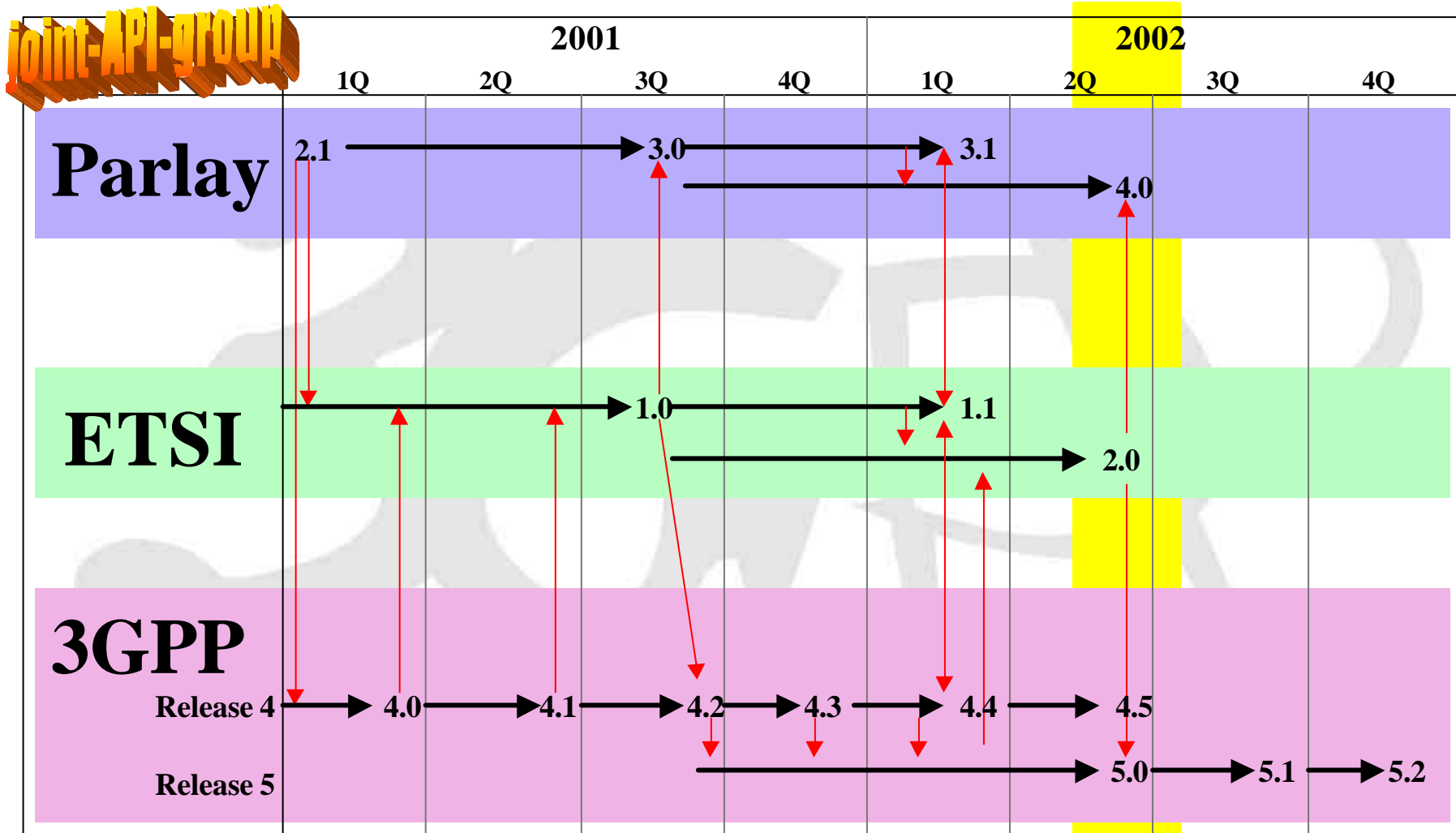
OSA Rel-5 stage 3 is complete !

Corresponding aligned Parlay 4.0 and ETSI OSA 2.0 specifications will now also be produced !

Major achievement : alignment between the parent bodies from the start of the new releases, see next slide:

One OSA/Parlay API, One developer community

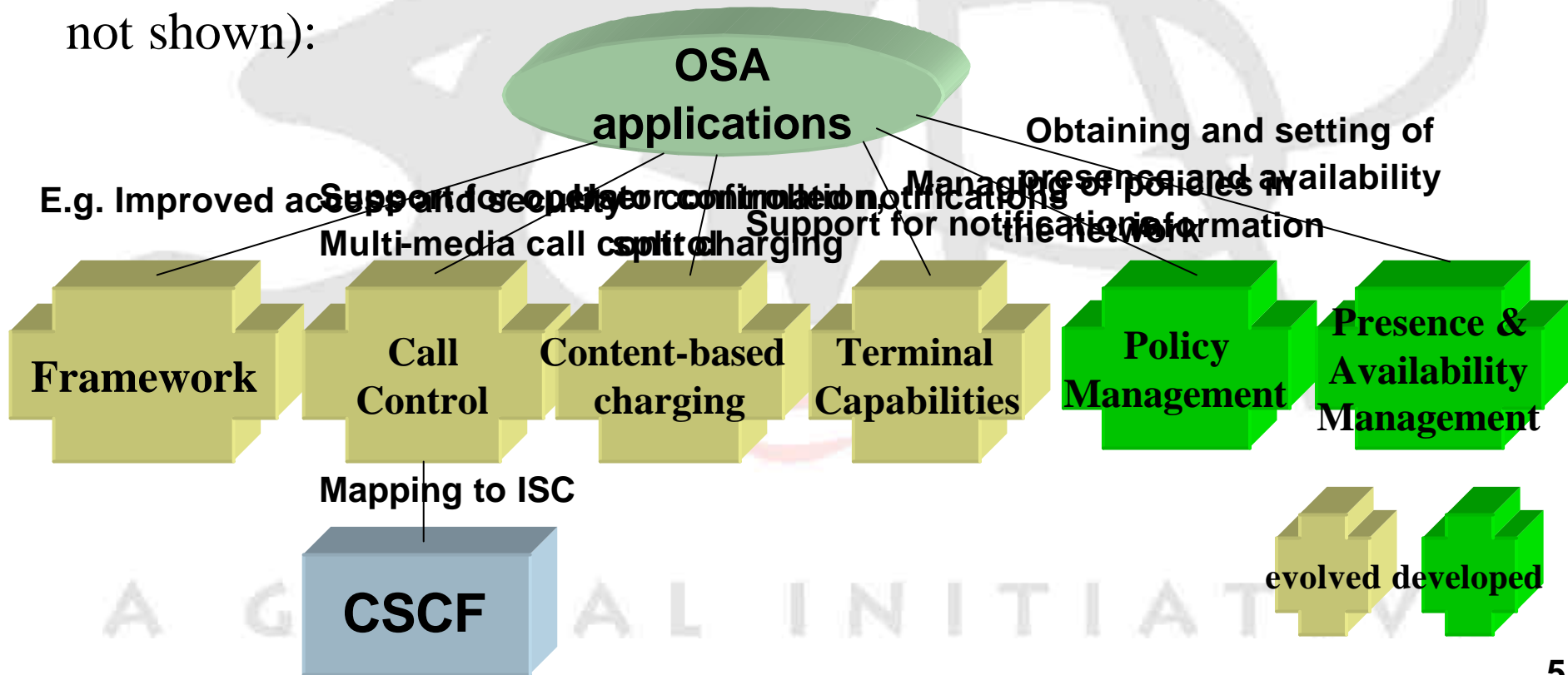
OSA Cross-releases Work Plan



→ = point of alignment between specifications

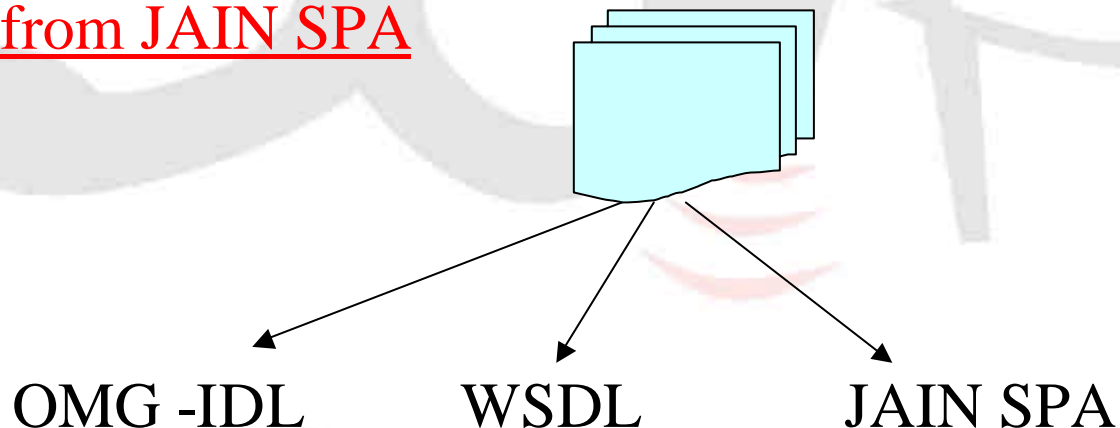
What have we achieved (1/2)?

Following SCFs have been evolved / developed in time frame for 3GPP Rel-5 / Parlay 4.0 (in addition to other already existing SCFs not shown):



What have we achieved (2/2) ?

- OSA / Parlay APIs specified in UML
- UML model is used to generate all our specs
- Mapping to different distribution technologies :
 - first OMG - IDL for CORBA
 - now WSDL for HTTP / SOAP and references to Java APIs from JAIN SPA



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joint-API-group outgoing Liaison Statements

- 1 outgoing LSs since CN#15 (see **NP-020176**)

N5-020439	Reply to Liaison Statement on co-ordination of data definitions, identified in GUP development

Co-ordination with SA3

- Around CN5 #15 in Cancun (**11/2001**) communication between SA3 and CN5 regarding OSA Framework security aspects.
- Joint session on OSA security during the SA3 #22 meeting in Bristol.
- 4 CRs were presented at CN5#17 (**04/2002**), these were also discussed at SA3#23.
- Final version of these CRs expected at CN5#19 meeting in Montreal (**07/2002**).

Co-ordination with 3GPP2

- Before CN5#17 (04/2002) some informal communication between 3GPP2 TSG-N and 3GPP CN5 on OSA harmonisation.
- After IP harmonisation workshop, 3GPP2 delegates were invited and attended the CN5#17 meeting (04/2002).
- The JWG concluded in this meeting that it would be beneficial for all parties to continue the efforts to establish a working relationship between 3GPP2 and the JWG.
- This was followed by a presentation of the OSA APIs and the JWG to 3GPP2 TSG-N at their meeting on 15-19 April 2002 in Alexandria, US. In this meeting, 3GPP2 reached the same conclusion as the JWG, i.e. 3GPP2 would like to adopt the OSA APIs and is open to continue with efforts to establish a working relationship.

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Joint-API-group Meetings

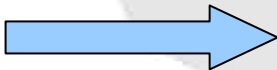
- **CN5 #17**
 - 8 - 12 April in Sophia Antipolis, France
hosted by ETSI
 - Attended by 26 delegates
 - Report in **NP-020177 (N5-020180)**
- **CN5 #18**
 - 13 - 17 May in Budapest, Hungary
hosted by Ericsson
 - Attended by 25 delegates
 - Draft Report in **NP-020178 (N5-020327)**



Future Meetings of the **joint-API-group**

Meeting	Date	Location	Host
TSG#16	4 – 13 Jun 2002	Marco Island, FL, USA	Motorola
CN5#19	8 - 12 Jul 2002	Montreal/ CANADA	Parlay
TSG#17	3 - 12 Sep 2002	Biarritz, France	Alcatel
CN5#20	23 - 27 Sep 2002	San Diego/ USA (TBC)	NA Friends
CN5#21	28 - 31 Oct 2002	Dublin, IRELAND	Parlay
TSG#18	3 - 12 Dec 2002	New Orleans, USA	NA Friends

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Contributions to this meeting
3GPP TSG CN Plenary Meeting #16

NP-020175



TDoc #	Agenda	Type	Title
175	6.5.1	REP	Chairman's report from CN5 (slide presentation)
176	6.5.1	LS	LSs outgoing from CN5 between CN#15 and CN#16
177	6.5.1	REP	Report of CN5#16, Sophia Antipolis, France, 8 - 12 April 2002 (N5-020180)
178	6.5.1	REP	Draft Report of CN5#17, Budapest, Hungary ,13 - 17 May 2002 (N5-020327)
179	7.10	CR	Rel-4 CRs 29.198-03
180	7.10	CR	Rel-4 CRs 29.198-04
181	8.2	CR	Rel-5 CRs 29.198-xy Addition of Support for Java API Technology Realisation
182	8.2	CR	Rel-5 CR 29.198-xy Addition of Support for WSDL Realisation
183	8.2	CR	Rel-5 CR 29.198-xy Addition of Support for Network Controlled Notifications MPCC
184	8.2	CR	Rel-5 CRs 29.198-01
185	8.2	CR	Rel-5 CRs 29.198-02
186	8.2	CR	Rel-5 CRs 29.198-03
187	8.2	CR	Rel-5 CRs 29.198-04
188	8.2	CR	Rel-5 CR 29.198-04 for splitting into 4 sub-parts
189	8.2	CR	Rel-5 CRs 29.198-05
190	8.2	CR	Rel-5 CRs 29.198-06
191	8.2	CR	Rel-5 CRs 29.198-07
192	8.2	CR	Rel-5 CRs 29.198-08
193	8.2	CR	Rel-5 CRs 29.198-11
194	8.2	CR	Rel-5 CRs 29.198-12
195	8.2	TS	Rel-5 Draft v2.0.0 TS 29.198-13 OSA API Part 13: Policy Management SCF
196	8.2	TS	Rel-5 Draft v2.0.0 TS 29.198-14 OSA API Part 14: Presence and Availability Management (PAM)
197	8.2	TR	Rel-5 Draft v2.0.0 TR 29.998-04-04 Mapping for OSA; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control - ISC

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3GPP Rel-4 OSA Stage 3

- For the aligned 3GPP Rel-4 / Parlay 3.1 / ETSI OSA 1.1 a few essential error corrections without which functionality cannot be used have been agreed by the

joint-API-group

- CRs 29.198-03
- CRs 29.198-04

NP-020179

NP-020180

CN approval is requested under Agenda item 7.10

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Rel-5 Specification progress

- 1 Upgrade of existing specifications in Rel-4 to Rel-5
 - Step 1: implement the Rel-4 CRs (**NP-020179, NP-020180**)
 - Step 2: implement the Rel-5 CRs (**NP-020181 to NP-020194**)
- 2 Request to split TS 29.198 Part 4 (Call control) into four (4) subparts as follows (**NP-020188**):
 - Subpart 1: Common call control data definitions,
 - Subpart 2: Generic Call Control SCF
 - Subpart 3: Multi-Party Call Control SCF
 - Subpart 4: Multi-media Call Control SCF
- 3 Approve three (3) new parts : move from v2.0.0 to v5.0.0

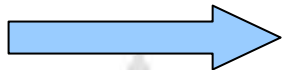
TS	29.198-13	OSA API Part 13: Policy Management SCF (NP-020195)
TS	29.198-14	OSA API Part 14: Presence and Availability Management (NP-020196)
TR	29.998-04-4	Mapping for OSA; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control – ISC (NP-020197)

CN approval is requested under Agenda item 8.2

Rel-5 OSA Stage 3 (new parts - yellow)

OSA API specifications 29.198-family					OSA API Mapping - 29.998-family	
29.198-1	Overview				29.998-1	Overview
29.198-2	Common Data Definitions				29.998-2	<i>Not Applicable</i>
29.198-3	Framework				29.998-3	<i>Not Applicable</i>
Call Control (CC) SCF	29.198-4-1 Common CC data definitions	29.198-4-2 Generic CC SCF	29.198-4-3 Multi-Party CC SCF	29.198-4-4 Multi-media CC SCF	29.998-4-1	Generic Call Control – CAP mapping
					29.998-4-2	<i>Generic Call Control – INAP mapping</i>
					29.998-4-3	<i>Generic Call Control – Megaco mapping</i>
					29.998-4-4	Multiparty Call Control – ISC mapping
29.198-5	User Interaction SCF				29.998-5-1	User Interaction – CAP mapping
					29.998-5-2	<i>User Interaction – INAP mapping</i>
					29.998-5-3	<i>User Interaction – Megaco mapping</i>
					29.998-5-4	User Interaction – SMS mapping
29.198-6	Mobility SCF				29.998-6	User Status and User Location – MAP mapping
29.198-7	Terminal Capabilities SCF				29.998-7	<i>Not Applicable</i>
29.198-8	Data Session Control SCF				29.998-8	Data Session Control – CAP mapping
29.198-9	<i>Generic Messaging SCF</i>				29.998-9	<i>Not Applicable</i>
29.198-10	<i>Connectivity Manager SCF</i>				29.998-10	<i>Not Applicable</i>
29.198-11	Account Management SCF				29.998-11	<i>Not Applicable</i>
29.198-12	Charging SCF				29.998-12	<i>Not Applicable</i>
29.198-13	Policy Management SCF				29.998-13	<i>Not Applicable</i>
29.198-14	Presence & Availability Management SCF				29.998-14	<i>Not Applicable</i>

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Rel-6 Outlook

In line with SA1 OSA Rel-6 WID approved at SA#15
(03/2002) in SP-020065 (S1-020590), and as currently
reflected by the 3GPP Work Plan, CN5 will work on:

- 1 Support of a generic network interface function
- 2 Local services
- 3 Support for MMS Relay/Server to VASP Connectivity
- 4 Support for the Push-Service
- 5 Enhanced User Notification
- 6 Support for GUP to enable applications access to the
Users Profile
- 7 Plus Rel-5 work moved by SA1/2 into Rel-6

CN is invited to note this under Agenda item 9.7

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 **Acknowledgements**

Acknowledgements

- **Joint API group (CN5) would like to thank all the hosts for the meetings in the Rel-5 timeframe.**
- **Joint API group (CN5) would like to thank all the contributors and editors for their hard work on the specifications.**
- **The following people deserve special credits for all the hard work to complete OSA Rel-5:**
 - **Adrian Zoicas**
 - **Ultan Mulligan**
 - **Chelo Abarca**
 - **Richard Stretch**
 - **Musa Unmehopa**



Background material



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What is the

joint-API-group

?

The OSA-API specification is the result of a joint working group consisting of:

- **Parlay** (www.parlay.org)
- **ETSI SPAN's Project OSA** (www.etsi.org/span)
- **3GPP TSG-CN WG5** (www.3gpp.org/TB/CN/CN5/CN5.htm)

in co-operation with companies representing the JAIN
(<http://jcp.org/jsr/tech/jain.jsp>) **community**

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What is the **joint-API-group** doing?

Parlay-vous OSA ?

see: <http://www.3gpp.org/TB/CN/CN5/CN5.htm>

... or what you always desired/wanted/wished to know about the
Open Service Access (OSA) Application Programming Interfaces (APIs)

http://www.3gpp.org/TB/CN/CN5/N5-020130_AllAboutParlayOSA.ppt

Opening the networks with Parlay / OSA APIs: standards

- The past years have shown an enormous increase in efforts to open-up telecom network functionality for application development. This means that applications can access core network functionality by means of open standardized APIs based on open technology.
- One value of opening-up of the network is the emergence of new business models where applications can be developed and provided by enterprises outside the traditional network operator domain.
- Combined with the fact that applications can be built with standard IT technology and tools, new innovative applications will hit the market with development cycles shorter than ever shown before. (PDF file)

Presentations/Tutorials/Press-Releases can be found at

http://www.3gpp.org/ftp/TSG_CN/WG5_OSA/_Presentation_Tutorial_Press-Release/

NP-020103 – for Information

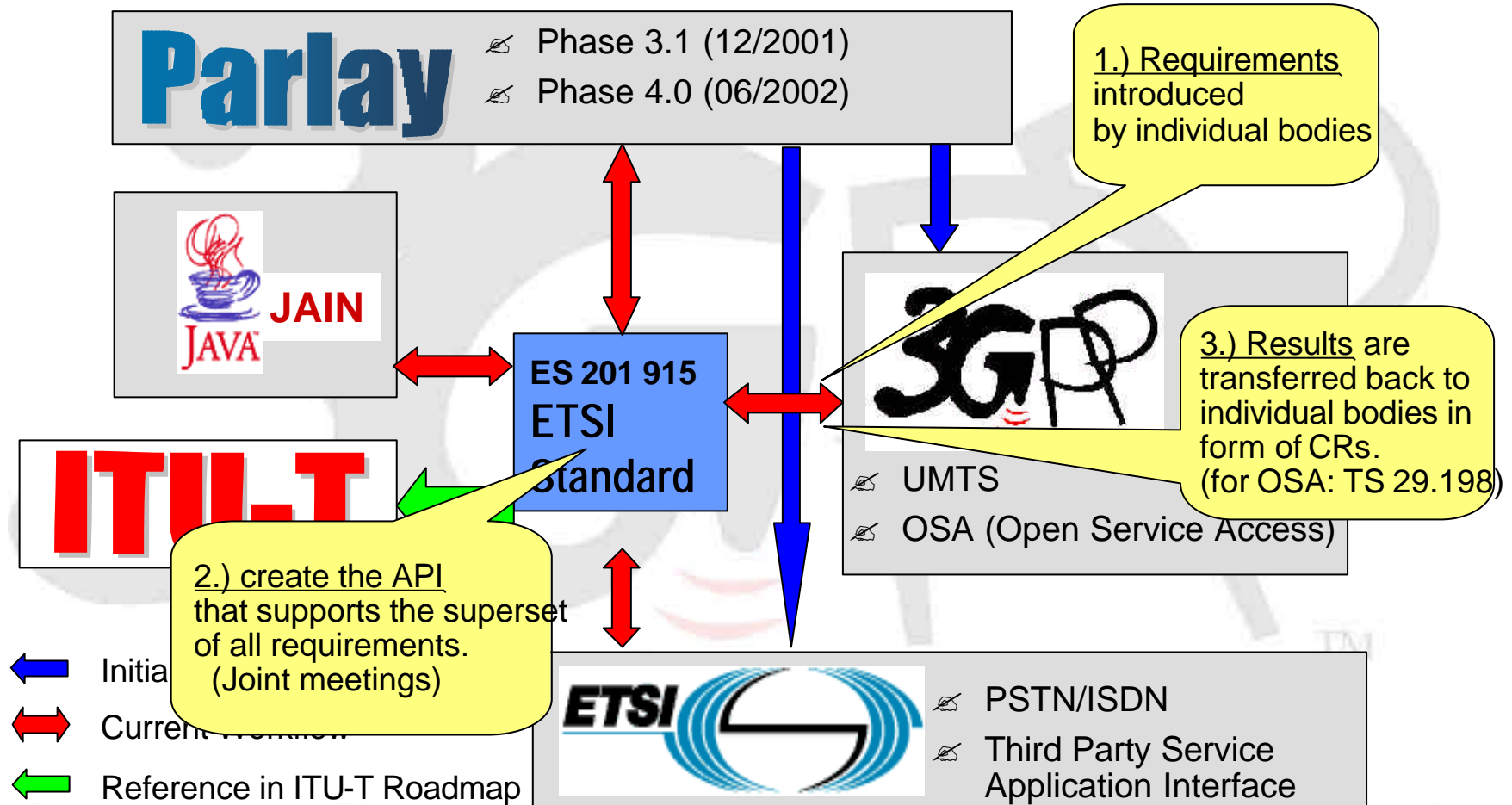


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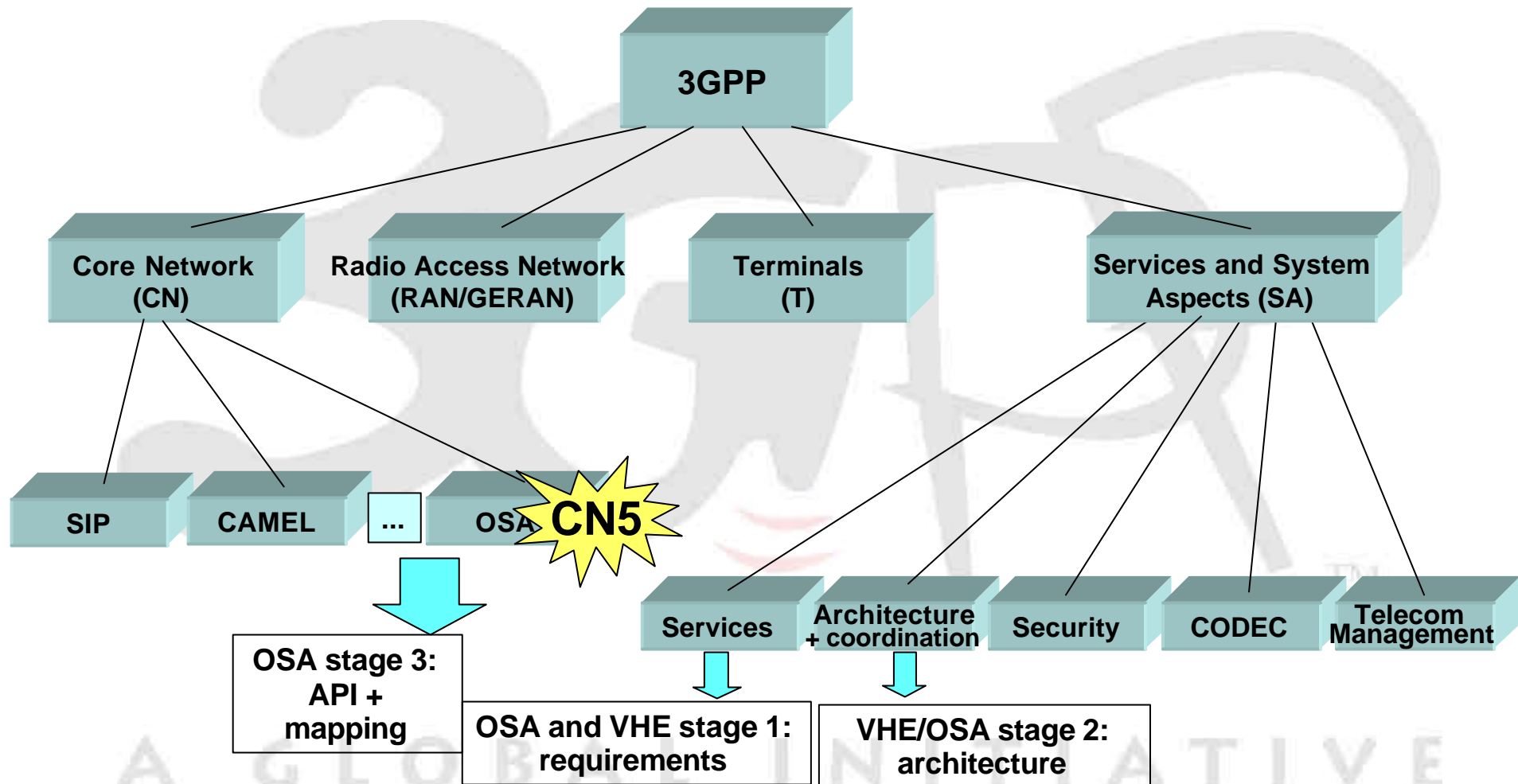
Officers

- **ETSI Project OSA Chairperson**
Chelo ABARCA (Alcatel)
- **3GPP TSG-CN5 Chairman**
Ard-Jan MOERDIJK (Ericsson) – since 07/2001
- **Parlay representative**
Richard STRETCH (BT)
- **3GPP TSG-CN5 Vice Chairman**
Musa UNMEHOPA (Lucent) – since 10/2001
- **Methodology Expert** – since 05/2000
Ultan MULLIGAN (ETSI PTCC)
- **MCC Support** – since 01/2001
Adrian ZOICAS (MCC)

Relation to Standardisation Bodies

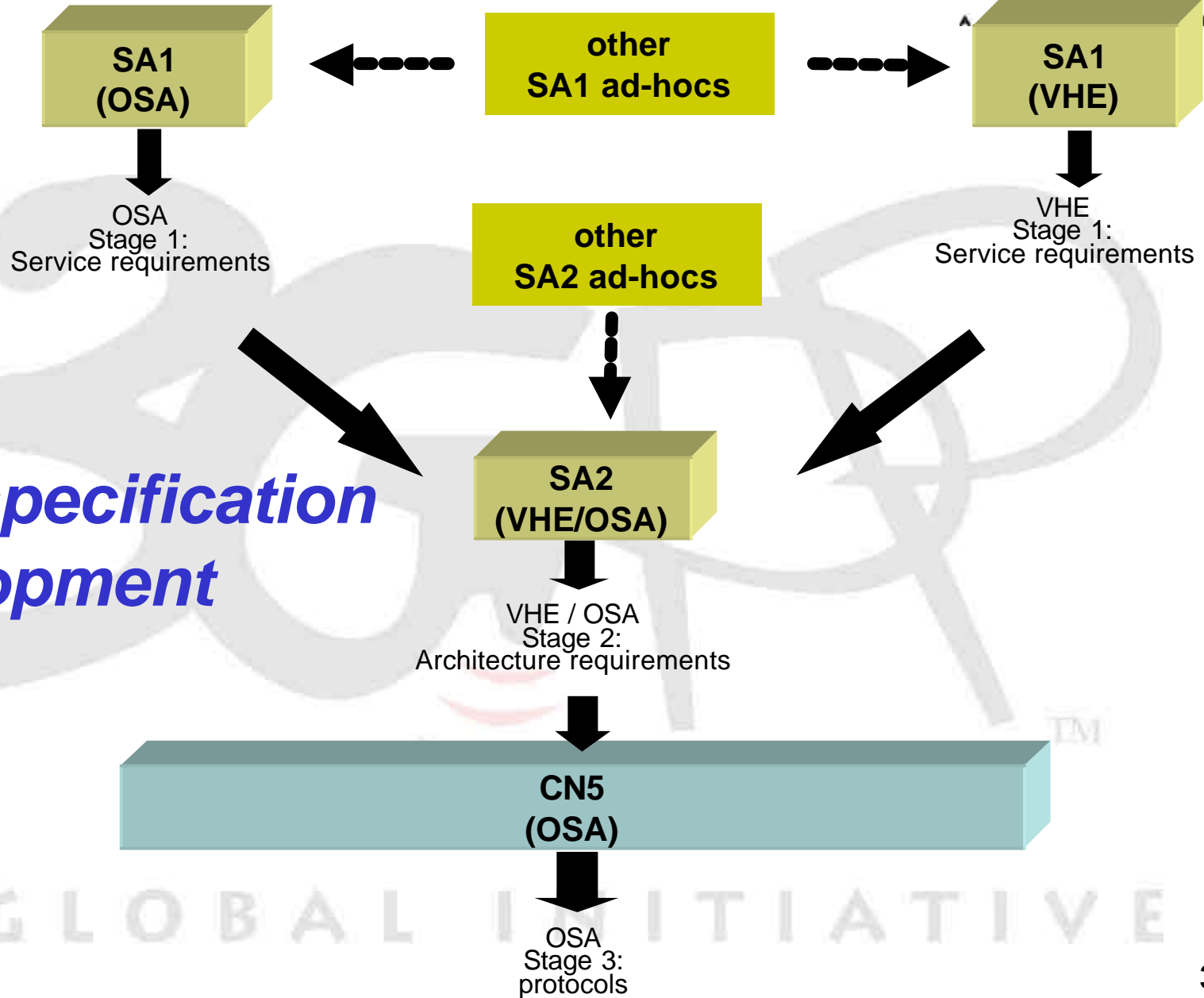


OSA in the 3GPP organisation



Requirements Flow

- SA1 OSA ad-hoc delivers OSA requirements
- SA1 VHE ad-hoc delivers VHE requirements, that may impact OSA (OSA is a VHE-enabling toolkit)
- SA2 VHE/OSA receives these two sets of requirements, and classifies them into:
 - those which have an architectural impact and thus need further elaboration
 - those which do not, and can be directly forwarded to CN5



***OSA specification
development
flow
inside
3GPP***

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